

## **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for controlling supply of fuel to a combustion engine (1); ~~e.g. a self-igniting internal combustion engine in a vehicle~~; having a first group of cylinders (4a) and a second group of cylinders (4b), the method comprising the steps of:

determining if a demanded total fuel quantity to the combustion engine (1) is below ~~the~~ a first predetermined total fuel quantity;

and, if the demanded total fuel quantity to the combustion engine (1) is below the first predetermined total fuel quantity, increasing the fuel supply to the first group of cylinders (4a) with a value determined by the demanded total fuel quantity and decreasing the fuel supply to the second group of cylinders (4b) with substantially the same value.

2. (Original) A method according to claim 1, wherein the value is reciprocally proportional to the demanded total fuel quantity on at least a part of a demanded total fuel quantity range between zero demanded total fuel quantity and the first predetermined total fuel quantity.

3. (Original) A method according to claim 2, wherein the value is reciprocally proportional to the demanded total fuel quantity in the whole demanded total fuel quantity range between a second predetermined total fuel quantity and the first predetermined total fuel quantity, the second predetermined total fuel quantity being smaller than the first predetermined total fuel quantity.

4. (Original) A method according to claim 2, wherein the value is highest and constant in a demanded total fuel quantity range between a second predetermined total fuel quantity and a third predetermined total fuel quantity, which is larger than the second predetermined total fuel quantity, but lower than the first predetermined total fuel quantity.

5. (Currently Amended) A method for controlling supply of fuel to a combustion engine (~~(1)~~), ~~e.g. a self-igniting internal combustion engine in a vehicle (2)~~, having a first group of cylinders (4a) and a second group of cylinders (~~(4b)~~), the method comprising the steps of:

determining if a demanded fuel quantity to one of the cylinders (~~(4a or 4b)~~) is below a first predetermined fuel quantity (~~(P)~~);

and, if the demanded fuel quantity to the one cylinder is below the first predetermined fuel quantity (~~(P)~~), increasing the fuel supply to the first group of cylinders (~~(4a)~~) with a value determined by the demanded fuel quantity and decreasing the fuel supply to the second group of cylinders (~~(4b)~~) with substantially the same value.

6. (Currently Amended) A method according to claim 5, wherein the value is reciprocally proportional to the demanded fuel quantity on at least a part of a demanded fuel quantity range between zero demanded fuel quantity and the first predetermined fuel quantity (~~(P)~~).

7. (Currently Amended) A method according to claim 6, wherein the value is reciprocally proportional to the demanded fuel quantity in the whole demanded fuel quantity range between a second predetermined fuel quantity (~~(Z)~~) and the first predetermined fuel quantity (~~(P)~~), the second predetermined fuel quantity (~~(Z)~~) being smaller than the first ~~predetermine~~ predetermined fuel quantity (~~(P)~~).

8. (Currently Amended) A method according to claim 6, wherein the value is highest and constant in a demanded fuel quantity range between a second predetermined fuel quantity (~~(Z)~~) and a third predetermined fuel quantity (~~(Q)~~), which is larger than the second predetermined fuel quantity (~~(Z)~~), but lower than the first predetermined fuel quantity (~~(P)~~).

9. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the value is always is less than 100%.

10. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the steps are performed during at least a part of a gear shifting procedure controlled by an electronic control unit (~~19~~) for semi-automatic or automatic gear shifting.

11. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the steps are performed when an automatic cruise control system for a vehicle controls the combustion engine (~~1~~).

12. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the fuel supply is increased to every two cylinders of all cylinders of the engine (~~1~~) and decreased to the other cylinders of the engine according to an ignition order for all the cylinders of the engine (~~1~~).

13. (Currently Amended) A computer program (~~14~~) comprising computer readable code ~~means~~, which when run on a computer for controlling fuel supply to a combustion engine (~~1~~) ~~cause~~ causes the computer to perform the steps of claim 1 ~~or 5~~.

14. (Currently Amended) An electronic control unit (~~3~~) in a vehicle for controlling fuel supply to a combustion engine (~~1~~) in the vehicle, comprising a storing means (~~13~~) and ~~[[a]]~~ the computer program (~~14~~) according to claim 13 recorded thereon.

15. (Currently Amended) A computer program product (~~13~~), comprising a computer readable medium, which comprises ~~[[a]]~~ the computer program (~~14~~) according to claim 13.